

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A341
So 3
cop. 2

Water Supply Outlook For Wyoming



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

STATE ENGINEER of WYOMING

AS OF
APR. 1, 1979

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: VIEW OF A SNOTEL DATA SITE IN THE SNOWY RANGE IN WYOMING. TALL CYLINDRICAL DEVICE IS A PRECIPITATION GAGE. SNOW PILLOWS ON THE GROUND NOT VISIBLE DUE TO SNOW COVER. SHELTER HOUSE, ANTENNA TOWER, ANTENNA, AND TEMPERATURE UNIT ARE VISIBLE BEHIND THE PRECIPITATION GAGE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|--|
| Alaska | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 |
| Arizona | Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217 |
| Idaho | Room 345, 304 N. 8th. St., Boise, Idaho 83702 |
| Montana | P. O. Box 98, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno, Nevada 89505 |
| Oregon | 1220 S. W. Third Ave., Portland, Oregon 97204 |
| Utah | 4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138 |
| Washington | 360 U. S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by
R. M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D. C.

|||||

Released by
FRANK S. DICKSON, JR.
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
CASPER, WYOMING

In Cooperation with
GEORGE L. CHRISTOPULOS
STATE ENGINEER
STATE OF WYOMING

|||||

Report prepared by
JAMES W. HAGLUND, Snow Survey Supervisor
JON G. WERNER, Assistant Snow Survey Supervisor
and
MARILYN A. STARKS, Statistical Assistant

SOIL CONSERVATION SERVICE
P.O. BOX 2440
CASPER, WYOMING 82601

TABLE OF CONTENTS

Prospective Water Supplies for Wyoming - Map

Water Supply Outlook for Wyoming - Statewide Summary

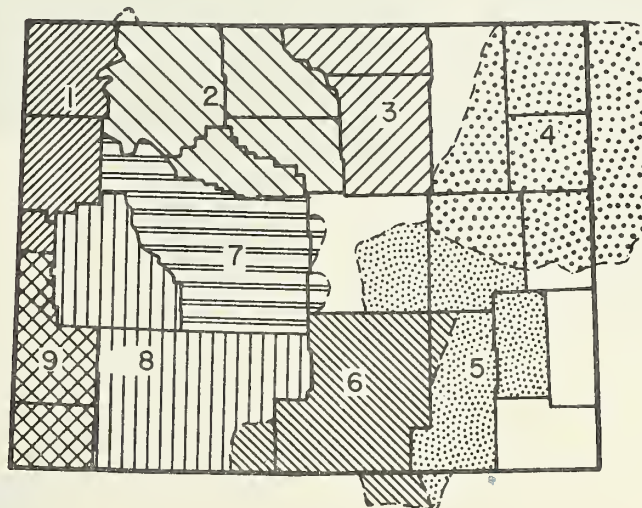
Water Supply Outlook by Major Watershed Areas

- Area 1 Snake, Madison and Upper Yellowstone Watersheds
- Area 2 Bighorn Basin
- Area 3 Powder and Tongue River Watersheds
- Area 4 Belle Fourche and Cheyenne River Watersheds
- Area 5 Lower North Platte River Watershed
- Area 6 Upper North Platte and Little Snake River Basins
- Area 7 Wind River Basin and Sweetwater River Watershed
- Area 8 Upper Green River Basin
- Area 9 Lower Green River and Bear River Watersheds

Basic Data Supplement 1 - Snow data

Basic Data Supplement 2 - Precipitation data

Map and Index of Wyoming Snow Measuring Sites

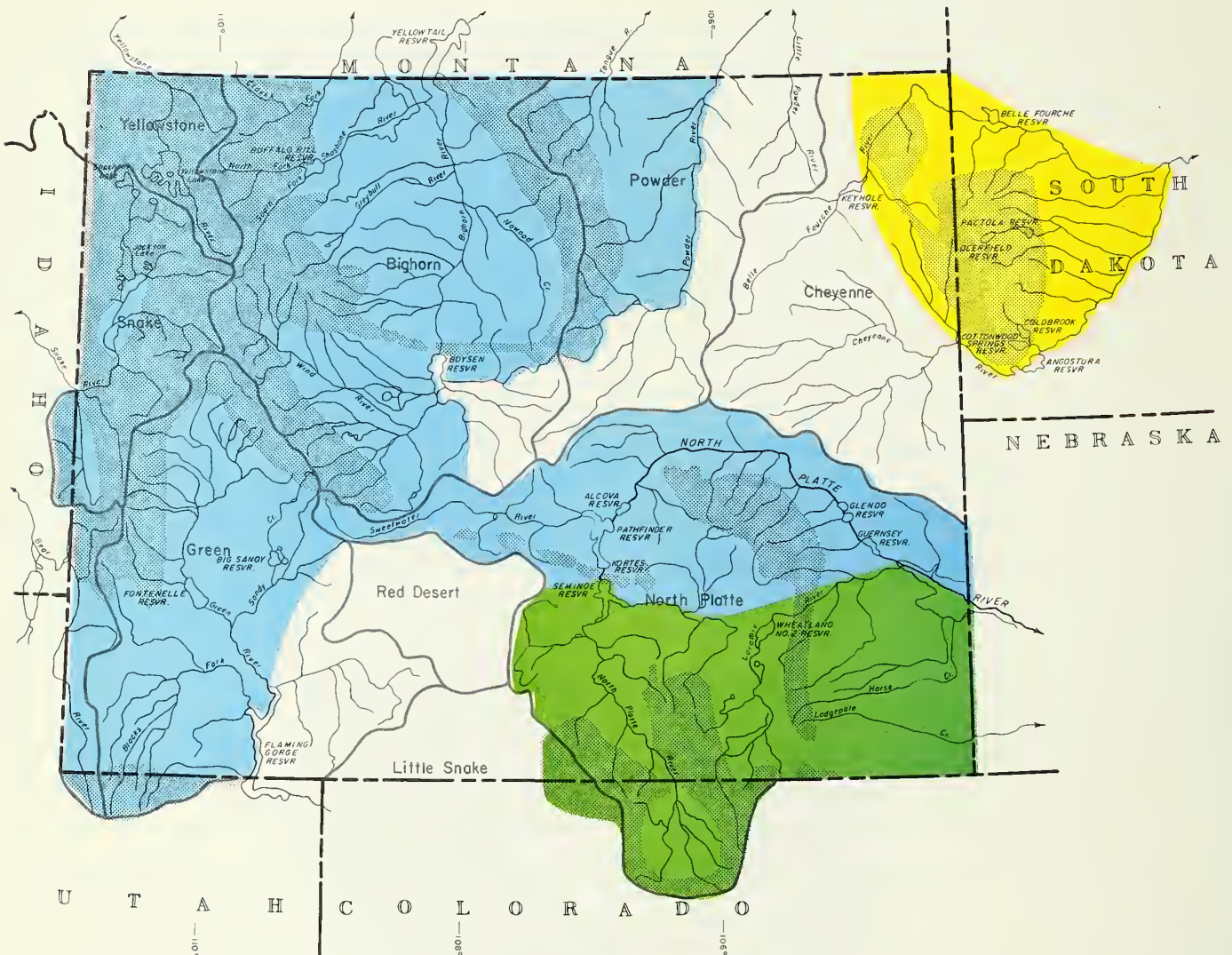


WATERSHED AREA LOCATIONS

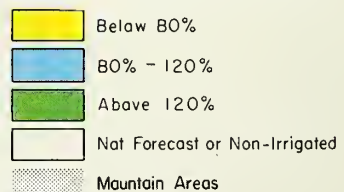
PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

April 1, 1979

50 0 50 MILES
SCALE 1:4,250,000



FORECAST STREAM FLOW
In Percent of 1963-77, 15 Year Average



WYOMING SUMMARY

as of
APRIL 1, 1979

* * * * *
*
* Good water supplies are expected
* in most parts of the state this
* spring and summer. Low snowfalls
* during March, however, have
* caused decreases in many snow-
* packs when compared to normal
* April 1 figures.
*
* * * * *

SNOWPACK

Mountain snowfall increments during March have continued to be lower than normal. The very heavy snowpack accumulations prior to February 1, however, have sustained the snowpacks to a near normal figure for April 1. The upper North Platte basin has 22 percent above normal snowpack, while the rest of the state is generally near normal. Exceptions are 28 percent below normal amounts in the northeastern corner and about 10 to 15 percent below normal on the Bighorn range.

PRECIPITATION

Low elevation precipitation was above normal in southeastern Wyoming. Elsewhere across the state less than 50 percent of normal amounts were reported. This second month of dry weather has now offset the wet early winter weather. Only areas near the Wind River and Snowy Range mountains and the Shoshone River valley have retained above normal seasonal totals.

....continued next page



Snow survey transportation
...then and now

STREAMFLOW

Forecasts of spring and summer runoff volumes have decreased somewhat compared to the March 1 projections. Most forecasts remain near normal, however, with some exceptions. Streamflows are expected to be 20 to 30 percent above normal in the upper North Platte and Laramie drainages. Below normal figures are expected in the northeast part of the state. All forecasts, however, can still be influenced by high or low snowfalls during the next two months.

RESERVOIR STORAGE

April 1 volumes of stored irrigation water are good. Wyoming's 13 largest reservoirs presently hold 57 percent of their usable capacity. This figure is 6 percent higher than normal.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

APRIL 1, 1979

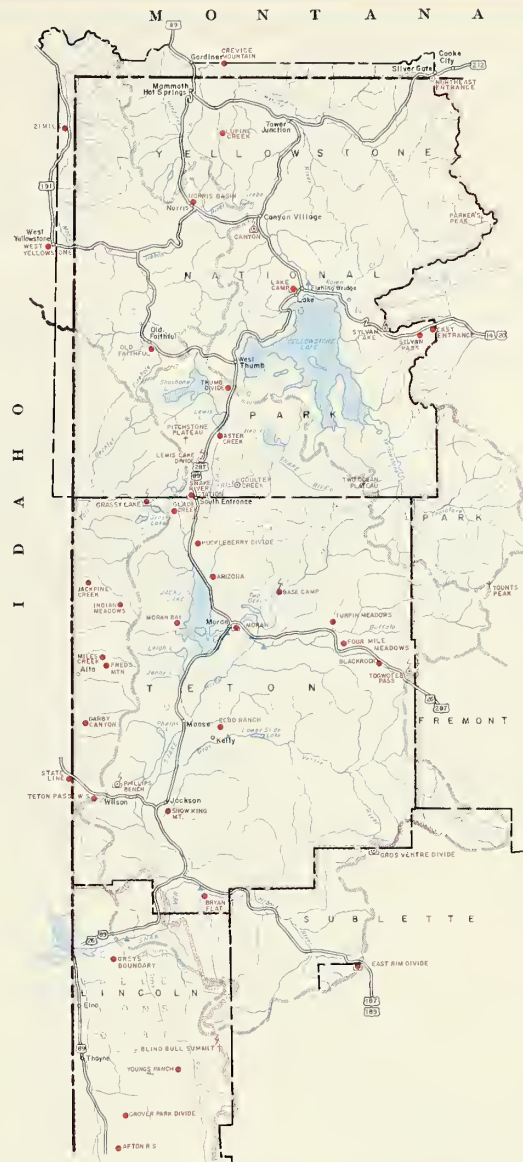
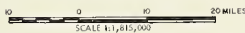


LOCATION MAP



LEGEND

-  SNOTEL
-  Snow Course
-  Snow Sensor
-  Aerial Marker (A)
-  Storage Precipitation Gage (P)
-  Stream Gaging Station
-  Drainage
-  Highway
-  Conservation District Boundary
-  Watershed Boundary



YOUR WATER SUPPLY

WATER SUPPLIES ARE FORECAST AT NEAR AVERAGE IN THIS AREA EXCEPT ON THE UPPER YELLOWSTONE WHICH IS EXPECTED TO BE 17% BELOW NORMAL. LOW MARCH PRECIPITATION FIGURES HAVE CAUSED MOST FORECASTS TO DECREASE SOME FROM LAST MONTH. JACKSON LAKE IS CURRENTLY STORING 87% OF NORMAL.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|--|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| Yellowstone River at Yellowstone Lake Outlet | 710 | 83 | Apr-Sept | 852 | 860 |
| SNAKE River near Moran (1) | 850 | 94 | Apr-Sept | 950 | 903 |
| SNAKE River above Palisades near Alpine (1) | 2580 | 94 | Apr-Sept | - | 2755 |
| SNAKE River at Heise (2) | 3900 | 91 | Apr-Sept | 5028 | 4247 |
| Pacific Creek at Moran | 170 | 93 | Apr-Sept | - | 182* |
| Greys River above Palisades | 405 | 100 | Apr-Sept | - | 403 |
| Salt River above Palisades near Etna | 400 | 99 | Apr-Sept | - | 405 |
| Palisades Reservoir Inflow | 3650 | 94 | Apr-Sept | 4698 | 3863 |
| Swift Creek near Afton | - Not Forecast - | | May-Sept | | |

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Average contains less than 15 years

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Madison (Wyo, only) | 3 | 94 | 101 |
| Yellowstone (Wyo, only) | 8 | 87 | 95 |
| SNAKE ab. Jackson Lake | 9 | 86 | 103 |
| Pacific Creek | 2 | 87 | 104 |
| Buffalo Creek | 5 | 83 | 100 |
| Gros Ventre River | 3 | 88 | 99 |
| Hoback River | 6 | 88 | 108 |
| Greys River | 4 | 73 | 96 |
| Salt River | 5 | 76 | 95 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|--------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Grassy Lake | 15.1 | 12.9 | 9.2 | 10.8 |
| Jackson Lake | 847.0 | 531.9 | 325.8 | 612.9 |
| Palisades | 1200.0 | 804.3 | 285.8 | 815.9 |

† 1963-1977 period.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. BOX 2440
CASPER, WYOMING 82401

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
AG-101

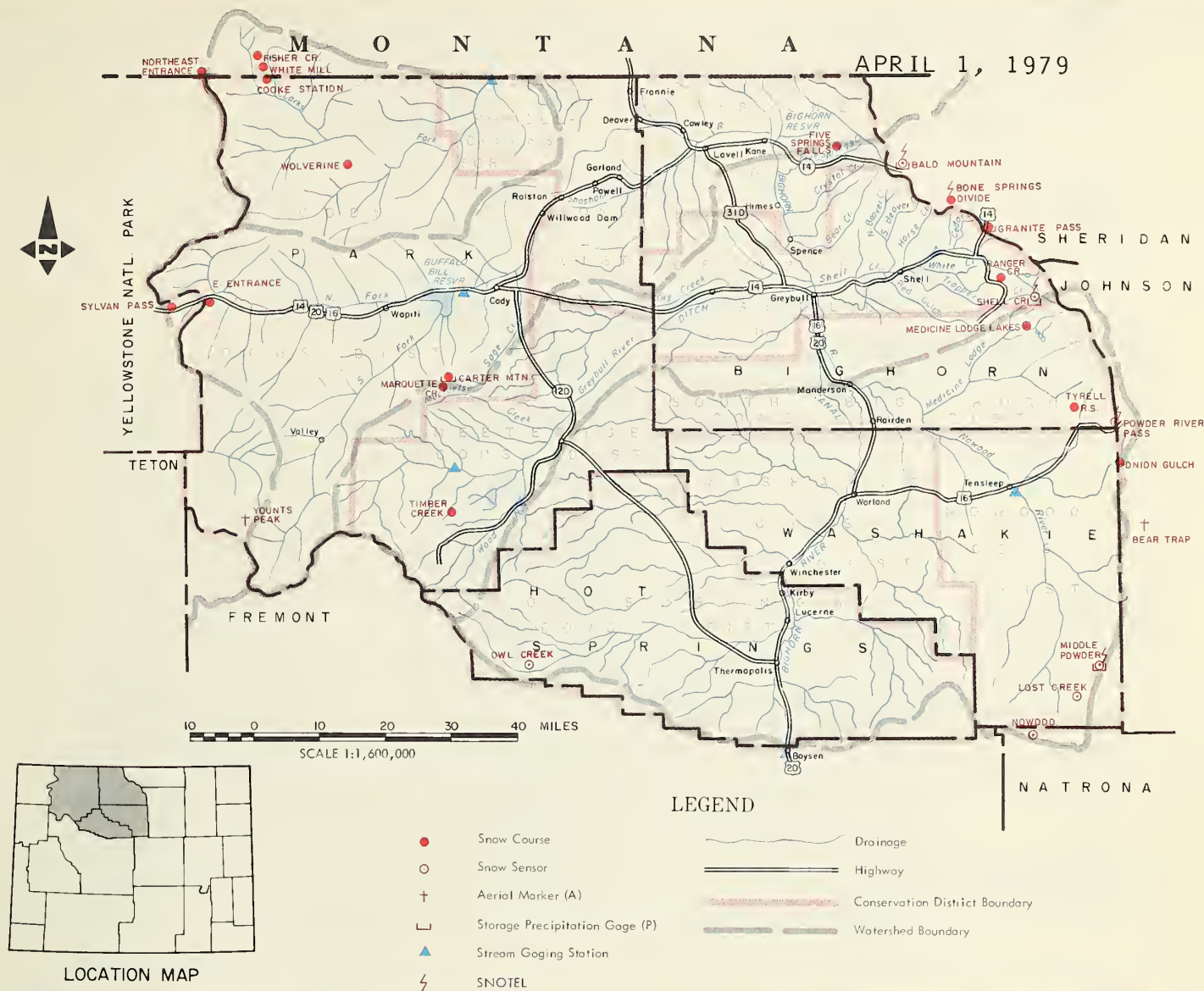


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
APRIL 1, 1979



YOUR WATER SUPPLY

MOUNTAIN SNOWPACKS ARE STILL NEAR TO A LITTLE BELOW NORMAL IN SPITE OF LIGHT SNOWFALLS DURING MARCH. FORECASTS OF SPRING AND SUMMER STREAMFLOW VOLUMES RANGE FROM 23% BELOW (TENSLEEP CREEK) TO 3% BELOW AVERAGE ON THE GREYBULL RIVER. RESERVOIRS ARE STORING ABOVE NORMAL VOLUMES.

BIGHORN BASIN

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|---|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year** | Average † |
| Wind River below Boysen (1) | 1120 | 94 | Apr-Sept | 1332 | 1193 |
| Tensleep Creek near Tensleep | 68 | 77 | Apr-Sept | - | 88* |
| Medicine Lodge Creek near Hyattville | 19 | 82 | Apr-Sept | - | 23* |
| Shell Creek near Shell | 72 | 91 | Apr-Sept | 97 | 79 |
| Greybull River at Meeteetse | 220 | 97 | Apr-Sept | 222 | 226 |
| Shoshone River below Buffalo Bill Dam (2) | 830 | 96 | Apr-Sept | 1037 | 864 |
| Clarks Fork near Belfry | 578 | 95 | Apr-Sept | - | 608 |

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Clarks Fork | 5 | 84 | 99 |
| Shoshone | 4 | 87 | 93 |
| Nowood | 4 | 95 | 88 |
| Shell | 4 | 79 | 87 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | | PAST REC. | |
|-----------------------------------|----------------|------------------|------------------|------------------------|-----------|-------|
| | | Snow Depth (in.) | Water Cont (in.) | Water Content (inches) | Last Yr. | Ave.† |
| Bald Mountain | 4/08 | 68 | 20.8 | 25.8 | 25.2 | |
| Bear Trap Aerial | 4/07 | 30 | 7.8 | 10.2 | 10.0 | |
| Bone Spring Divide | 4/08 | 64 | 18.0 | 19.5 | 19.9 | |
| Carter Mountain | 3/29 | 28 | 6.0 | 3.8 | 5.0 | |
| Cooke Station | 3/30 | 73 | 21.2 | 27.6 | 21.3 | |
| East Entrance | 4/02 | 30 | 9.0 | 11.4 | 9.6 | |
| Fisher Creek | 3/30 | 109 | 36.0 | 43.7 | 38.7 | |
| Five Springs Falls | 3/30 | 24 | 5.7 | 8.7 | 8.4 | |
| Marquette Creek | 3/29 | 29 | 6.0 | 5.0 | - | |
| Medicine Lodge Lakes | 4/08 | 51 | 13.8 | 14.1 | 12.1 | |
| Middle Powder | 4/01 | 37 | 7.6 | 7.0 | 12.6 | |
| Northeast Entrance | 4/01 | 37 | 10.1 | 11.8 | 10.4 | |
| Onion Gulch | 4/07 | 40 | 10.2 | 9.8 | 9.6 | |
| Owl Creek | 3/29 | 28 | 6.1 | 1.4 | 5.5 | |
| Powder River Pass | 4/07 | 46 | 11.6 | 12.7 | 12.7 | |
| Ranger Creek | 3/27 | 38 | 10.0 | 12.0 | 10.1 | |
| Shell Creek | 3/27 | 50 | 14.5 | 19.7 | 14.8 | |
| Sylvan Pass | 4/01 | 38 | 11.6 | 15.2 | 14.5 | |
| Timber Creek | 3/31 | 23 | 5.8 | 0.0 | 3.1 | |
| Tyrell Ranger Station | 4/07 | 36 | 8.7 | 9.6 | 9.1 | |
| White Mill | 3/30 | 91 | 28.5 | 34.2 | 29.7 | |
| Wolverine | 3/29 | 47 | 16.6 | 16.8 | 13.6 | |
| Younts Peak Aerial | 4/06 | 54 | 18.4 | 25.2 | 23.6 | |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|----------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Boysen | 549.9 | 324.9 | 282.5 | 278.4 |
| Buffalo Bill | 373.1 | 163.0 | 151.4 | 155.1 |
| Bighorn | 613.7 | 887.3 | 773.8 | 796.2 |
| Upper Sunshine | 53.0 | 49.0 | 24.4 | - |
| Lower Sunshine | 58.9 | 21.0 | 10.5 | - |

+ 1963-1977 period

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 286
Worland, Wyoming 82401

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|---------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year | Average † |
| Tongue River near Dayton | 108 | 84 | Apr-Sept | 174 | 129 |
| Middle Fork Powder River near Barnum | 17 | 77 | Apr-Sept | 33 | 22 |
| North Fork Powder River near Hazelton | 9.6 | 90 | Apr-Sept | 17.8 | 10.7 |
| Clear Creek near Buffalo | 37 | 95 | Apr-Sept | 67 | 39 |
| Rock Creek near Buffalo | 23 | 88 | Apr-Sept | 34 | 26 |
| Piney Creek at Kearny | 51 | 89 | Apr-Sept | 109 | 57 |

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
 * Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Tongue River | 7 | 96 | 88 |
| Goose Creek | 3 | 92 | 91 |
| Clear Creek | 2 | 91 | 84 |
| Crazy Woman Creek | 2 | 94 | 95 |
| Powder River | 5 | 91 | 79 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC. | |
|-----------------------------------|----------------|------------------|------------------|---------------------------------|------|
| | Date of Survey | Snow Depth (In.) | Water Cont (In.) | Water Content (inches) Last Yr. | Ave† |
| Bald Mountain | 4/08 | 68 | 20.8 | 25.8 | 25.2 |
| Bear Trap Aerial | 4/07 | 30 | 7.8 | 10.2 | 10.0 |
| Big Goose | 4/08 | 32 | 7.3 | 5.7 | 8.9 |
| Bone Spring Divide | 4/08 | 64 | 18.0 | 19.5 | 19.9 |
| Burgess Ranger Station | 4/08 | 31 | 8.4 | 7.7 | 9.3 |
| Cloud Peak Aerial | 3/27 | 41 | 10.2 | 10.4 | 12.4 |
| Dome Lake | 4/08 | 40 | 11.1 | 8.8 | 10.8 |
| Five Springs Falls | 3/30 | 24 | 5.7 | 8.7 | 8.4 |
| Geneva Pass Aerial | 3/27 | 50 | 14.0 | 17.5 | 17.3 |
| Middle Powder | 4/01 | 37 | 7.6 | 7.0 | 12.6 |
| Muddy Creek Guard Station | 4/07 | 27 | 6.0 | 3.6 | 4.2 |
| North Tongue | 4/08 | 49 | 14.2 | 12.2 | 14.9 |
| Onion Gulch | 4/07 | 40 | 10.2 | 9.8 | 9.6 |
| Powder River Pass | 4/07 | 46 | 11.6 | 12.7 | 12.7 |
| Sawmill Divide | 4/08 | 50 | 14.0 | 12.7 | - |
| Shell Creek | 3/27 | 50 | 14.5 | 19.7 | 14.8 |
| Soldier Park | 3/27 | 25 | 5.9 | 7.1 | 6.4 |
| Sour Dough | 4/07 | 36 | 7.6 | 6.7 | 7.1 |
| Steamboat Point | 4/08 | 33 | 9.2 | 7.7 | 9.4 |
| Sucker Creek | 4/08 | 40 | 11.1 | 11.5 | 14.6 |
| Woodrock Guard Station | 4/08 | 38 | 10.2 | 10.2 | 11.6 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|----------------------|-----------------|----------------|-----------|---------|
| | | This Year | Last Year | Average |
| - No Reservoir Data- | | | | |

A - Aerial stadia marker. Water content estimated. + 1963-1977 period

UNITED STATES DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 P.O. Box 855
 Sheridan, Wyoming 82801

OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
 U.S. DEPARTMENT OF AGRICULTURE

A GR - 101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
WATER RESOURCES DIVISION



YOUR WATER SUPPLY

STREAMFLOWS ARE EXPECTED TO BE BELOW NORMAL THIS SPRING AND SUMMER, PRECIPITATION DURING MARCH WAS LOW AND SNOWPACK IS NOW 72% OF AVERAGE FOR APRIL 1. RESERVOIR STORAGE, HOWEVER, IS ABOVE NORMAL.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|--------------------|--------------------------|
| | FORECAST | | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | PERIOD | Last Year Average † |
| - No forecasts for this area - | | | | |

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Belle Fourche | 3 | 292 | 72 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC. | |
|-----------------------------------|----------------|------------------|-------------------|---------------------------------|--------|
| | Date of Survey | Snow Depth (In.) | Water Cont. (In.) | Water Content (Inches) Last Yr. | Ave. † |
| Bearlodge Divide | 3/28 | 8 | 2.0 | 0.0 | 3.3 |
| Mallo Pillow | 3/30 | - | 8.4 | - | - |
| Mount Tom Pillow | 4/01 | - | 6.1 | - | - |
| Reuter Canyon | 3/29 | 32 | 9.0 | 3.2 | 10.2 |
| Sweetwater Mountain Pillow | 3/30 | - | 7.6 | - | - |
| Upper Spearfish | 3/29 | 25 | 6.6 | 3.2 | 8.3 |
| Warren Peak | 32/9 | 30 | 6.8 | 2.9 | 11.1 |

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|---------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Keyhole | 190.4 | 158.6 | 142.6 | 125.1 |
| Belle Fourche | 185.2 | 163.3 | 159.6 | 141.6 |
| Angostura | 86.2 | 85.5 | 77.5 | 71.8 |
| Deerfield | 15.1 | 15.0 | 15.2 | 14.5 |
| Pactola | 55.0 | 53.6 | 50.5 | 51.2 |
| Shadehill | 81.5 | 62.9 | 138.0 | 61.0 |

+ 1963-1977 period

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 855
Sheridan, Wyoming 82801

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

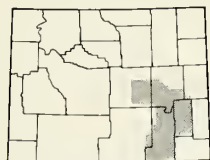
POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
AGR-101












FIRST CLASS MAIL

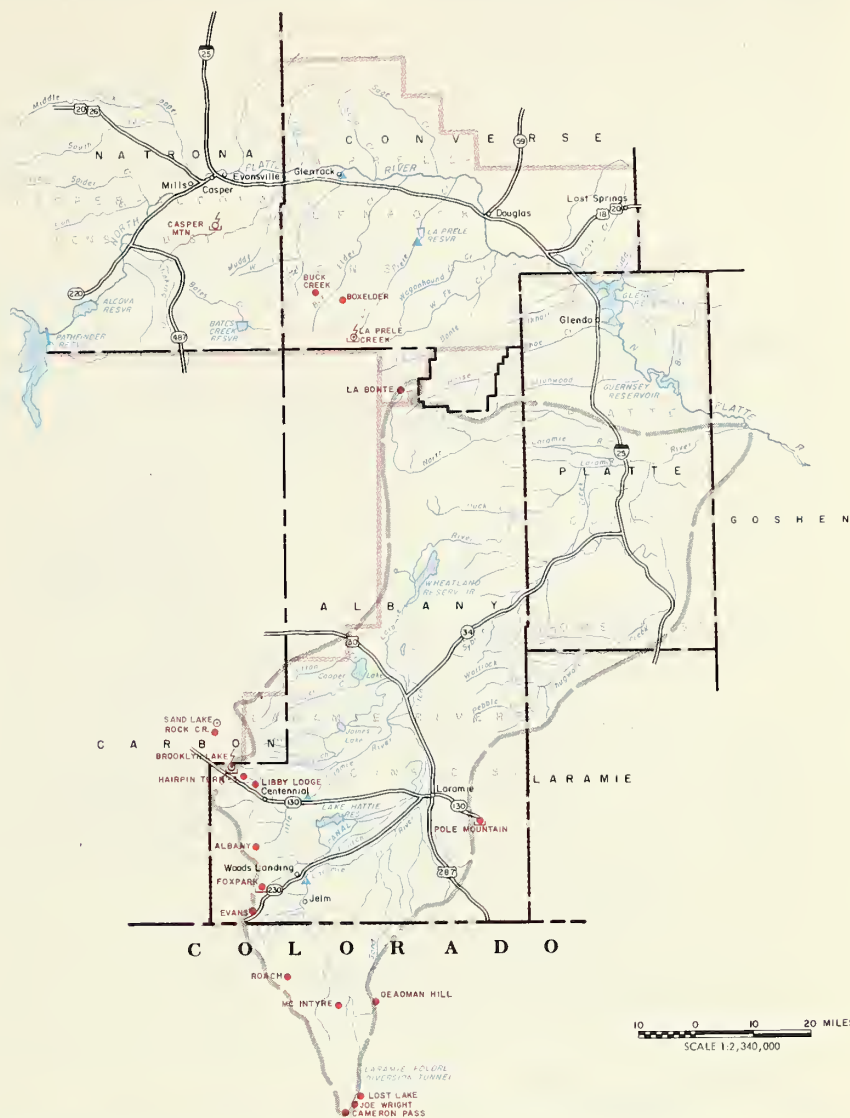
"The Conservation of Water begins with the Snow Survey"

APRIL 1, 1979



LEGEND

- | | |
|---|--------------------------------|
|  | SNOTEL |
|  | Snow Course |
|  | Snow Sensor |
|  | Storage Precipitation Gage (P) |
|  | Stream Gaging Station |
|  | Drainage |
|  | Highway |
|  | Conservation District Boundary |
|  | Watershed Boundary |



10 0 10 20 MILES
SCALE 1:2,340,000

YOUR WATER SUPPLY

RUNOFF VOLUMES ARE FORECAST AT 24 TO 35 PERCENT ABOVE AVERAGE ON THE LARAMIE AND NORTH PLATTE RIVERS RESPECTIVELY, THESE AREAS HAVE EXCELLENT SNOWPACK CONDITIONS WHILE THE LAPRELE AND DEER CREEK SNOWPACKS PROJECT ABOUT 70 TO 80 PERCENT OF AVERAGE FLOWS. RESERVOIR STORAGE IS NEAR AVERAGE.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|--|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| North Platte River near Sinclair | 904 | 135 | Apr-Sept | 876 | 670 |
| Deer Creek at Glenrock | 39 | 78 | Mar-July | - | 50 |
| LaPrele Creek near Douglas (Ab. Reservoir) | 26 | 84 | Mar-July | 23.9 | 31 |
| Laramie River & Pioneer Canal near Woods (1) | 155 | 124 | Apr-Sept | 149 | 125 |
| Little Laramie River near Filmore | 80 | 129 | Apr-Sept | 89 | 62 |

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Upper Laramie River | 10 | 99 | 126 |
| Little Laramie River | 4 | 91 | 128 |
| Laramie River | 15 | 97 | 127 |
| Lower North Platte | 4 | 117 | 92 |
| North Platte above Laramie River | 22 | 89 | 114 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC. | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|-------|
| | Date of Survey | Snow Depth (in.) | Water Cont. (in.) | Water Content (inches) | |
| | | | | Last Yr. | Ave.† |
| Albany | 3/27 | 60 | 19.1 | 20.0 | 14.9 |
| Boxelder | 3/30 | 28 | 7.1 | 7.1 | 8.1 |
| Brooklyn Lake | 3/27 | 74 | 26.2 | 32.0 | 22.5 |
| Buck Creek | 3/31 | 37 | 10.0 | 7.6 | 13.3 |
| Cameron Pass | 3/27 | 83 | 30.9 | 32.0 | 28.2 |
| Casper Mountain | 4/02 | 51 | 13.5 | 10.7 | 15.1 |
| Deadman Hill | 3/26 | 64 | 19.3 | 21.2 | 15.5 |
| Evans | 3/29 | 53 | 15.2 | 15.8 | 11.4 |
| Foxpark | 3/26 | 38 | 10.5 | 14.1 | 6.7 |
| Hairpin Turn | 3/27 | 66 | 23.7 | 24.8 | 17.7 |
| Joe Wright | 3/27 | 80 | 25.6 | 29.2 | 24.4 |
| LaBonte | 3/31 | 32 | 8.4 | 7.7 | 5.5 |
| Libby Lodge | 3/27 | 48 | 16.1 | 16.3 | 11.6 |
| Lost Lake | 3/27 | 47 | 14.6 | 14.8 | 11.1 |
| McIntyre | 3/29 | 55 | 15.0 | 12.6 | 10.6 |
| Pole Mountain | 3/28 | 38 | 10.3 | 6.0 | 7.3 |
| Roach | 3/28 | 84 | 24.7 | 21.5 | 18.2 |
| Rock Creek | 3/27 | 90 | 28.4 | 36.4 | 28.3 |

+ 1963-1977 period.

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|--------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Seminole | 1010.5 | 340.1 | 249.2 | 358.2 |
| Pathfinder | 1015.9 | 731.7 | 493.5 | 595.5 |
| Alcova | 30.7 | 2.8 | 2.7 | 6.1 |
| Glendo | 783.7 | 458.7 | 450.3 | 424.8 |
| Guernsey | 45.2 | 11.0 | 16.0 | 24.6 |
| Wheatland #2 | 98.9 | 52.0 | 28.0 | 50.8 |

PROJECT WATER OWNERSHIP

| | | | | |
|----------------------|--------|-------|-------|---|
| North Platte Project | 1016.1 | 762.8 | 297.8 | - |
| Kendrick Project | 1201.6 | 675.2 | 795.3 | - |
| Glendo Project Users | 454.3 | 148.3 | 141.1 | - |

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box DD
Torrington, Wyoming 82240

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
AGR-101



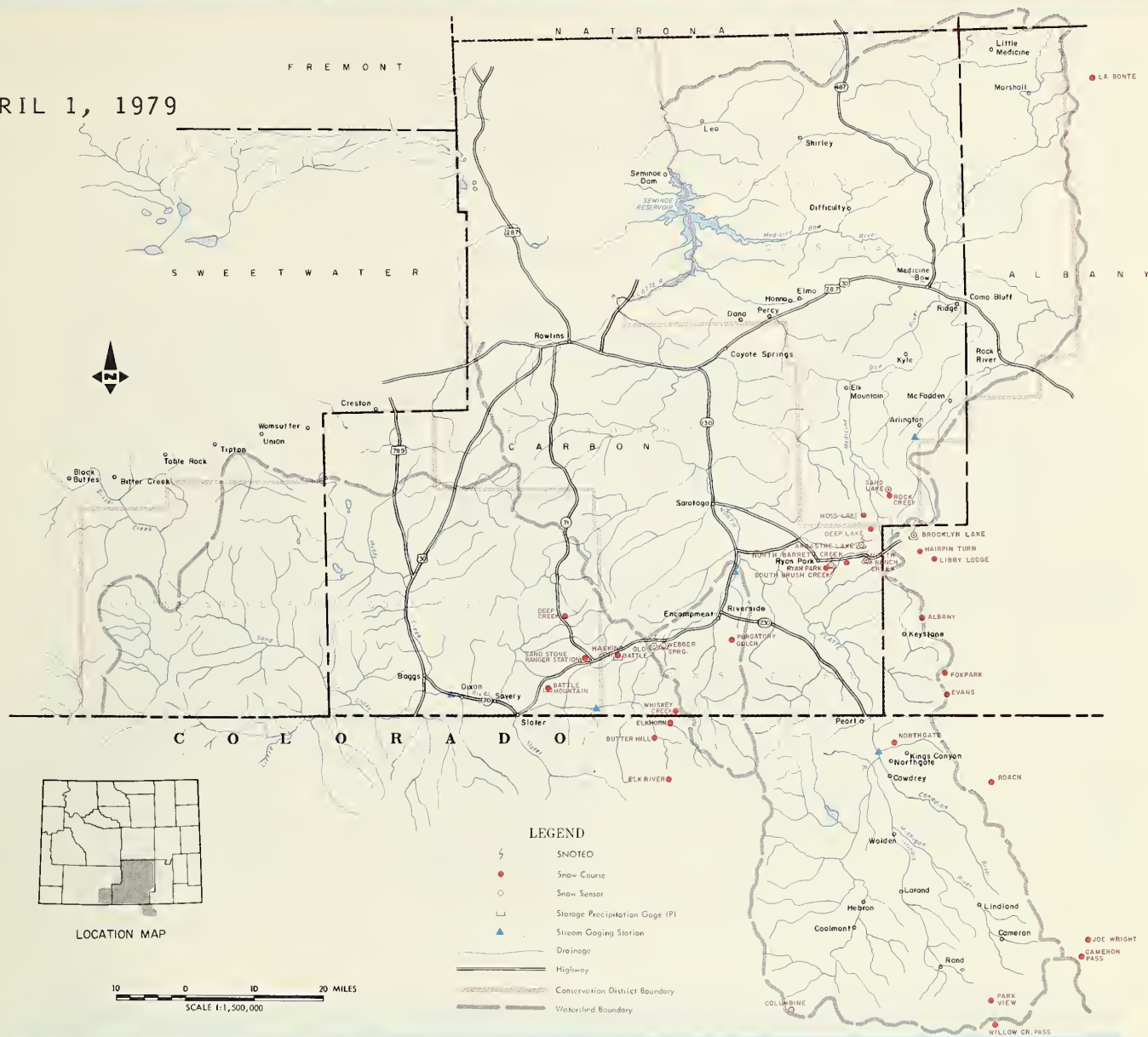
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
NORTH PLATTE, NEBRASKA

APRIL 1, 1979



YOUR WATER SUPPLY

HEAVY SNOWFALLS DURING MARCH HAVE SUSTAINED THE NORMAL TO 31% ABOVE NORMAL SNOWPACKS. PROSPECTS FOR SUMMER RUNOFF ARE EXCELLENT, ALL IN THE 20 TO 30% ABOVE NORMAL RANGE. SEMINOE RESERVOIR IS CURRENTLY 5% BELOW THE APRIL 1 AVERAGE.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| North Platte River near Northgate | 315 | 132 | Apr-Sept | 328 | 238 |
| North Platte River near Sinclair | 904 | 135 | Apr-Sept | 876 | 670 |
| Encampment River near Encampment | 205 | 135 | Apr-Sept | 204 | 152 |
| Rock Creek near Arlington | 70 | 121 | Apr-Sept | 77 | 58 |
| Little Snake near Dixon | 420 | 131 | Apr-Sept | 389 | 320 |
| Little Snake near Slater, Colo. | 200 | 130 | Apr-Sept | 212 | 154 |

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Upper North Platte | 15 | 90 | 122 |
| Encampment River | 2 | 95 | 131 |
| Brush Creek | 3 | 77 | 103 |
| Medicine Bow & Rock Cr. | 4 | 77 | 104 |
| North Platte above Laramie River | 22 | 89 | 114 |
| Little Snake River | 2 | 91 | 131 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|-----------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Seminole | 1010.5 | 340.1 | 249.2 | 358.2 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | | PAST REC. | |
|-----------------------------------|----------------|------------------|-------------------|------|-----------|--------|
| | | Snow Depth (in.) | Water Cont. (in.) | | Last Yr. | Ave. † |
| Albany | 3/27 | 60 | 19.1 | 20.0 | 14.9 | |
| Battle Mountain | 3/30 | 41 | 12.8 | 15.6 | - | |
| Brooklyn Lake | 3/27 | 74 | 26.2 | 32.0 | 22.5 | |
| Butter Hill | 3/30 | 62 | 18.4 | 20.2 | - | |
| Cameron Pass | 3/27 | 83 | 30.9 | 32.0 | 28.2 | |
| Deep Creek | 3/28 | 53 | 18.0 | 21.2 | - | |
| Deep Lake | 3/27 | 114 | 41.0 | 53.8 | 40.9 | |
| Elkhorn | - | No Report | - | 37.9 | - | |
| Elk River | 3/28 | 79 | 23.8 | 27.1 | 17.3 | |
| Evans | 3/29 | 53 | 15.2 | 15.8 | 11.4 | |
| Foxpark | 3/26 | 38 | 10.5 | 14.1 | 6.7 | |
| Hairpin Turn | 3/27 | 66 | 23.7 | 24.8 | 17.7 | |
| Haskins Creek | 3/27 | 96 | 36.0 | 46.2 | - | |
| LaBonte | 3/31 | 32 | 8.4 | 7.7 | 5.5 | |
| Libby Lodge | 3/27 | 48 | 16.1 | 16.3 | 11.6 | |
| Moss Lake | 3/27 | 77 | 26.6 | 35.5 | 25.7 | |
| North Barrett Creek | 3/29 | 69 | 21.6 | 26.4 | 21.4 | |
| North French Creek Pillow | 3/27 | - | 25.3 | 33.7 | 23.5 | |
| Old Battle | 3/27 | 119 | 43.6 | 46.8 | 34.2 | |
| Purgatory Gulch | - | No Report | - | 12.0 | 11.7 | |
| Rock Creek | 3/27 | 90 | 28.4 | 36.4 | 28.3 | |
| Ryan Park | 3/29 | 42 | 11.4 | 15.9 | 11.9 | |
| Sandstone Ranger Station | 3/28 | 56 | 18.4 | 23.6 | - | |
| Webber Spring | 3/27 | 79 | 29.6 | 30.6 | 21.5 | |
| Whiskey Creek | - | No Report | - | 39.8 | - | |

+ 1963-1977 period

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box S10
Kemmerer, Wyoming 83101

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

APRIL 1, 1979



YOUR WATER SUPPLY

ELEVEN PERCENT BELOW NORMAL SUMMER STREAMFLOW IS FORECAST FOR THE LITTLE POPO AGIE WHILE OTHERS RANGE FROM 1 TO 4% BELOW NORMAL. MOUNTAIN SNOWPACKS ARE FALLING A LITTLE BEHIND FEBRUARY 1 PERCENTAGES DUE TO LIGHT SNOWFALLS DURING MARCH. RESERVOIR STORAGE IS ABOVE NORMAL BY 17%.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS | | | THIS YEAR | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-------------|--|
| BASIN, STREAM and/or FORECAST POINT | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † | |
| Wind River near Dubois | 104 | 95 | Apr-Sept | 119 | 110 | |
| Wind River at Riverton (1) | 690 | 99 | Apr-Sept | 780 | 695 | |
| Wind River below Boysen (2) | 1120 | 94 | Apr-Sept | 1332 | 1193 | |
| Bull Lake Creek near Lenore (3) | 185 | 98 | Apr-Sept | 195 | 189 | |
| Little Popo Agie near Lander | 47 | 89 | Apr-Sept | 53 | 53 | |

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Bousen Reservoirs; plus diversion to

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(3) Observed flow plus change in storage in Bull Lake

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|--|----------------------------------|---|-----------|
| | | Last Year | Average † |
| Upper Wind River | 8 | 76 | 94 |
| Popo Agie | 5 | 145 | 92 |
| Wind above Boysen | 15 | 94 | 94 |
| Sweetwater River | 3 | 105 | 103 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC. | |
|-----------------------------------|-------------------|------------------------|-------------------------|-------------|-------|
| | Date of Survey | Snow Depth (in.) | Water Cont. (in.) | Last Yr. | Ave.† |
| Big Warm Springs | 3/29 | 26 | 5.8 | 7.8 | 6.9 |
| Blue Ridge | 3/29 | 40 | 11.3 | 8.0 | 13.1 |
| Burroughs Creek | 3/30 | 47 | 14.5 | 20.6 | 14.7 |
| Castle Creek | 3/30 | 22 | 5.9 | 6.1 | - |
| Dinwoody | 3/29 | 46 | 11.5 | 11.2 | 12.3 |
| DuNoir | 3/29 | 33 | 9.0 | 10.5 | 9.0 |
| Geyser Creek | 3/29 | 27 | 7.3 | 9.4 | 7.8 |
| Grannier Meadows | 3/29 | 54 | 15.8 | 12.3 | 14.9 |
| Hobbs Park | 3/29 | 45 | 11.6 | 8.8 | 14.2 |
| Larsen Creek | 3/29 | 47 | 13.5 | 17.1 | 12.5 |
| Little Warm | 3/29 | 49 | 12.9 | 22.8 | 16.1 |
| Middle Fork | 3/29 | 31 | 7.1 | 0.0 | 7.2 |
| Owl Creek | 3/29 | 28 | 6.1 | 1.4 | 5.5 |
| Sawmill Glade | 3/29 | 30 | 9.8 | 4.5 | 9.4 |
| Sheridan Ranger Station | 3/30 | 30 | 7.6 | 8.9 | 7.8 |
| South Pass | 3/29 | 54 | 14.6 | 12.6 | 15.2 |
| St. Lawrence R.S. | 3/29 | 32 | 7.2 | 3.8 | 7.5 |
| T-Cross Ranch | 3/30 | 27 | 8.2 | 10.3 | 6.3 |
| Togwotee Pass | 3/30 | 78 | 29.0 | 36.0 | 30.9 |
| Townsend Creek | 3/29 | 32 | 7.0 | 3.4 | - |
| Younts Peak Aerial | - Delayed | - | - | 25.2 | 23.6 |

+ 1963-1977 period

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|-------------|--------------------|----------------|--------------|-----------|
| | | This Year | Last Year | Average † |
| Bull Lake | 151.8 | 106.6 | 80.0 | 87.0 |
| Pilot Butte | 31.6 | 18.1 | 13.4 | 20.1 |
| Boysen | 549.9 | 324.9 | 282.5 | 278.4 |

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 286
Worland, Wyoming 82401

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

APRIL 1, 1979

LEGEND

- SNOTEL
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

LOCATION MAP

SCALE 1:868,000

10 0 10 MILES

UTAH COLO.

BIG SANDY DRAINAGE CONTINUES TO HAVE A 20+ PERCENT ABOVE NORMAL SNOWPACK AND 8% ABOVE NORMAL STREAMFLOW FORECAST, OTHER SNOWPACKS ARE NEAR NORMAL AND MOST STREAMS ARE FORECAST A LITTLE BELOW NORMAL. GREEN RIVER AT GREEN RIVER IS LOWEST AT 17% BELOW NORMAL. RESERVOIR STORAGE IS NORMAL.

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| BASIN, STREAM and/or FORECAST POINT | | | | | |
| Green River at Warren Bridge | 320 | 95 | Apr-Sept | 359 | 336 |
| Green River near LaBarge | 850 | 85 | Apr-Sept | 1242 | 999 |
| Green River near Green River (1) | 910 | 83 | Apr-Sept | 1291 | 1094 |
| Flaming Gorge Inflow | 1270 | 98 | Apr-July | 1180 | 1292 |
| LaBarge Creek at LaBarge Meadows | 8.5 | 97 | Apr-Sept | 11.6 | 8.8 |
| Big Sandy River near Big Sandy | 68 | 108 | Apr-Sept | 75 | 63 |

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Upper Green, East | 8 | 76 | 106 |
| Upper Green, West | 5 | 68 | 92 |
| Big Sandy | 2 | 90 | 124 |

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|---------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Eden | 11.8 | N.R. | 4.4 | 3.3 |
| Big Sandy | 38.3 | 16.8 | 11.4 | 20.9 |
| Fontenelle | 344.8 | 198.7 | 205.4 | 180.1* |
| Flaming Gorge | 3749.0 | 2471.6 | 1998.0 | - |

*Less than 15 years in period of average

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | THIS YEAR | | PAST REC. | |
|-----------------------------------|----------------|------------------|------------------|---------------------------------|-------|
| | | Snow Depth (In.) | Water Cont (In.) | Water Content (inches) Last Yr. | Ave.† |
| Big Sandy Opening | 3/29 | 58 | 18.1 | 19.1 | 14.2 |
| Blind Bull Summit Aerial | 4/02 | 66 | 25.6 | 34.6 | 28.3 |
| Cottonwood Lake Aerial | 4/02 | 50 | 17.0 | 26.0 | 17.8 |
| East Rim Divide | 4/01 | 48 | 14.7 | 19.8 | 13.9 |
| Elkhart Park G.S. | 3/29 | 49 | 14.0 | 20.8 | 14.5 |
| Grannier Meadows | 3/29 | 54 | 15.8 | 12.3 | 14.9 |
| Gros Ventre Summit | 4/01 | 43 | 11.2 | 13.0 | 12.7 |
| Kendall Ranger Station | 4/01 | 45 | 13.6 | 19.2 | 13.1 |
| Larsen Creek | 3/29 | 47 | 13.5 | 17.1 | 12.5 |
| Loomis Park | 4/01 | 59 | 19.7 | 27.6 | 18.7 |
| New Fork Lake | 4/01 | 44 | 11.8 | 17.4 | 11.8 |
| Pocket Creek | 3/29 | 52 | 15.0 | 17.5 | 12.5 |
| Poison Meadows | 3/30 | 79 | 26.2 | 38.8 | 30.2 |
| Rowdy Creek | 3/31 | 66 | 22.4 | 29.6 | 23.3 |
| Snider Basin R.S. | 3/30 | 49 | 17.4 | 22.4 | 17.4 |
| South Pass | 3/29 | 54 | 14.6 | 12.6 | 15.2 |
| Spring Creek Divide Pillow | 3/30 | - | 20.8 | 27.8 | - |
| Triple Peaks | 3/31 | 69 | 24.8 | 40.2 | 26.9 |

+ 1963-1977 period

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

P.O. Box 510
Kemmerer, Wyoming 83101

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

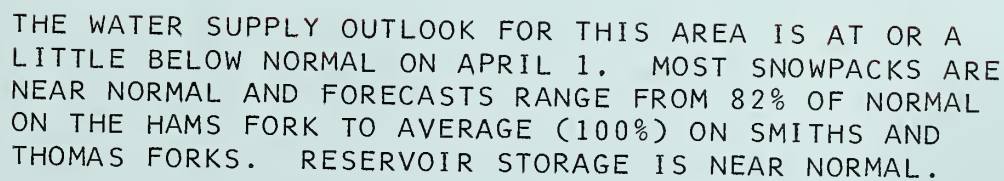


POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
A G R - 101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"



LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|---|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year ** | Average † |
| LaBarge Creek at LaBarge Meadows | 8.5 | 97 | Apr-Sept | 11.6 | 8.8 |
| Green River near Green River (1) | 910 | 83 | Apr-Sept | 1291 | 1094 |
| Hams Fork below Pole Creek, near Frontier | 59 | 82 | Apr-Sept | 96 | 72 |
| Blacks Fork near Millburne | 88 | 96 | Apr-July | 95 | 92 |
| Flaming Gorge Inflow | 1270 | 98 | Apr-July | 1180 | 1292 |
| Smiths Fork near Border | 120 | 100 | Apr-Sept | 160 | 120 |
| Thomas Fork near State Line | 35 | 100 | Apr-Sept | 54 | 35 |
| Bear River at Utah-Wyoming State Line | 102 | 89 | Apr-July | 115 | 114 |
| Henry's Fork near Linwood, Utah | 49 | 91 | Apr-Sept | - | 54 |

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF | |
|----------------------------------|----------------------------|--------------------------------------|-----------|
| | | Last Year | Average † |
| Smiths & Thomas Forks | 4 | 75 | 97 |
| Bear River | 4 | 94 | 98 |
| Green ab. Flaming Gorge | 12 | 71 | 97 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST REC. | |
|-----------------------------------|----------------|------------------|------------------|------------------------|-------|
| | Date of Survey | Snow Depth (In.) | Water Cont (In.) | Water Content (Inches) | |
| | | | | Last Yr. | Ave.† |
| Big Park | 3/30 | 57 | 17.2 | 25.8 | 21.2 |
| Black's Fork GS-East Fork | 4/06 | 35 | 11.7 | 11.0 | 9.0 |
| Black's Fork Junction | 4/06 | 33 | 11.0 | 9.8 | 9.2 |
| Burts-Miller Ranch | 4/06 | 16 | 5.3 | 5.1 | 6.1 |
| CCC Camp | 3/29 | 40 | 13.4 | 16.2 | 13.4 |
| Hayden Fork | 4/06 | 54 | 17.5 | 17.2 | 15.9 |
| Hewinta Guard Station | 4/07 | 36 | 12.0 | 9.3 | 9.4 |
| Hickerson Park | 4/07 | 17 | 5.7 | 6.2 | 5.9 |
| Kelley Ranger Station | 3/30 | 59 | 18.8 | 25.4 | 18.3 |
| Poison Meadows | 3/30 | 79 | 26.2 | 38.8 | 30.2 |
| Salt River Summit | 3/29 | 53 | 18.4 | 21.6 | 16.9 |
| South Thomas Fork | 3/30 | 49 | 16.6 | 22.2 | 17.1 |
| Spirit Lake | 4/06 | 54 | 18.0 | 10.8 | 12.1 |
| Steel Creek Park | 4/06 | 51 | 17.0 | 17.4 | 15.6 |
| Stillwater Camp | 4/06 | 36 | 10.7 | 11.8 | 11.3 |
| Trial Lake | - Delayed - | - | - | 27.4 | 23.5 |

+ 1963-1977 period

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

| RESERVOIR | Usable Capacity | Usable Storage | | |
|---------------|-----------------|----------------|-----------|-----------|
| | | This Year | Last Year | Average † |
| Fontenelle | 344.8 | 198.7 | 205.4 | 180.1* |
| Flaming Gorge | 3749.0 | 2471.6 | 1998.0 | - |
| Viva Naughton | 42.4 | 30.4 | 19.5 | 29.2 |

*Less than 15 years in average

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 510
Kemmerer, Wyoming 83101

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE
A G R - 101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

BASIC DATA SUPPLEMENT 1

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|--------|
| | Date of Survey | Snow Depth (In.) | Water Cont. (In.) | Water Content (Inches) | |
| | | | | Last Yr. | Ave. † |
| Afton Ranger Station | 3/29 | 0 | 0.0 | 0.0 | 1.5 |
| Albany | 3/27 | 60 | 19.1 | 20.0 | 14.9 |
| Arizona | 3/29 | 61 | 20.9 | 25.3 | 19.9 |
| Arrastre Lake Pillow | 3/30 | - | 25.6 | - | - |
| Aster Creek | 3/28 | 88 | 29.9 | 34.1 | 31.8 |
| Bald Mountain | 4/08 | 68 | 20.8 | 25.8 | 25.2 |
| Base Camp | 3/30 | 58 | 21.4 | 26.8 | 21.6 |
| Battle Mountain | 3/30 | 41 | 12.8 | 15.6 | - |
| Bearlodge Divide | 3/28 | 8 | 2.0 | 0.0 | 3.3* |
| Bear Trap Aerial | 4/07 | 30 | 7.8 | 10.2 | 10.0 |
| Big Goose | 4/08 | 32 | 7.3 | 5.7 | 8.9 |
| Big Park | 3/30 | 57 | 17.2 | 25.8 | 21.2 |
| Big Sandy Opening | 3/29 | 58 | 18.1 | 19.1 | 14.2 |
| Big Sandy Opening Pillow | 3/29 | - | 16.6 | 14.9 | - |
| Big Warm Springs | 3/29 | 26 | 5.8 | 7.8 | 6.9 |
| Blackrock | 3/30 | 63 | 21.8 | 27.7 | 22.3 |
| Black's Fork GS-East Fk. | 4/06 | 35 | 11.7 | 11.0 | 9.0 |
| Black's Fork Junction | 4/06 | 33 | 11.0 | 9.8 | 9.2 |
| Blind Bull Summit Aerial | 4/02 | 66 | 25.6 | 34.6 | 28.3 |
| Blue Ridge | 3/29 | 40 | 11.3 | 8.0 | 13.1 |
| Bone Spring Divide | 4/08 | 64 | 18.0 | 19.5 | 19.9 |
| Boxelder | 3/30 | 28 | 7.1 | 7.1 | 8.1 |
| Brooklyn Lake | 3/27 | 74 | 26.2 | 32.0 | 22.5 |
| Brooklyn Lake Pillow | 3/27 | - | 17.5 | - | - |
| Bryan Flat | 3/26 | 35 | 10.8 | 11.0 | 9.2 |
| Buck Creek | 3/31 | 37 | 10.0 | 7.6 | 13.3* |
| Burgess Ranger Station | 4/08 | 31 | 8.4 | 7.7 | 9.3 |
| Burroughs Creek | 3/30 | 47 | 14.5 | 20.6 | 14.7 |
| Burroughs Creek Pillow | 3/30 | - | 13.7 | 19.2 | - |
| Burts-Miller Ranch | 4/06 | 16 | 5.3 | 5.1 | 6.1 |
| Butter Hill | 3/30 | 62 | 18.4 | 20.2 | - |
| Cameron Pass | 3/27 | 83 | 30.9 | 32.0 | 28.2 |
| Canyon | 3/31 | 54 | 16.4 | 18.2 | 16.9 |
| Canyon Pillow | 3/31 | - | 16.3 | 16.4 | - |
| Carter Mountain | 3/29 | 28 | 6.0 | 3.8 | 5.0 |
| Casper Mountain | 4/02 | 51 | 13.5 | 10.7 | 15.1 |
| Casper Mountain Pillow | 4/02 | - | 11.8 | 8.8 | - |
| Castle Creek | 3/30 | 22 | 5.9 | 6.1 | - |
| CCC Camp | 3/29 | 40 | 13.4 | 16.2 | 13.4 |
| Chambers Lake | 3/27 | 38 | 13.2 | 13.1 | 9.0 |
| Cloud's Peak Aerial | 3/27 | 41 | 10.2 | 10.4 | 12.4 |
| Columbine Lodge | 3/29 | 72 | 27.2 | 34.9 | 23.2 |
| Cooke Station | 3/30 | 73 | 21.2 | 27.6 | 21.3* |
| Cottonwood Lake Aerial | 4/02 | 50 | 17.0 | 26.0 | 17.8 |
| Coulter Creek | 3/30 | 66 | 23.7 | 30.2 | 23.4 |
| Crevice Mountain | 3/29 | 43 | 12.4 | 15.5 | 11.5 |
| Darby Canyon | 4/05 | 71 | 23.6 | 25.8 | 22.3 |
| Deadman Hill | 3/26 | 64 | 19.3 | 21.2 | 15.5 |
| Deep Creek | 3/28 | 53 | 18.0 | 21.2 | - |
| Deep Lake | 3/27 | 114 | 41.0 | 53.8 | 40.9* |
| Dinwoody | 3/29 | 46 | 11.5 | 11.2 | 12.3 |
| Dinwoody Pillow | 3/29 | - | 13.7 | - | - |
| Dome Lake | 4/08 | 40 | 11.1 | 8.8 | 10.8 |
| DuNoir | 3/29 | 33 | 9.0 | 10.5 | 9.0 |
| East Entrance | 4/02 | 30 | 9.0 | 11.4 | 9.6 |
| East Rim Divide | 4/01 | 48 | 14.7 | 19.8 | 13.9 |
| Elbo Ranch | 3/29 | 47 | 15.0 | 14.5 | - |
| Elkhart Park G.S. | 3/29 | 49 | 14.0 | 20.8 | 14.5 |
| Elkhorn | - No Report | - | - | 37.9 | - |
| Elk River | 3/28 | 79 | 23.8 | 27.1 | 17.3 |
| Evans | 3/29 | 53 | 15.2 | 15.8 | 11.4 |
| Fisher Creek | 3/30 | 109 | 36.0 | 43.7 | 38.7* |
| Fisher Creek Pillow | 3/30 | - | 35.0 | 40.2 | - |
| Five Springs Falls | 3/30 | 24 | 5.7 | 8.7 | 8.4 |
| Four Mile Meadows | 3/30 | 43 | 13.4 | 16.9 | 13.7 |
| Foxpark | 3/26 | 38 | 10.5 | 14.1 | 6.7 |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|--------|
| | Date of Survey | Snow Depth (In.) | Water Cont. (In.) | Water Content (Inches) | |
| | | | | Last Yr. | Ave. † |
| Fred's Mountain | 4/05 | 73 | 23.8 | 28.5 | 20.7e |
| Geneva Pass Aerial | 3/27 | 50 | 14.0 | 17.5 | 17.3 |
| Geyser Creek | 3/29 | 27 | 7.3 | 9.4 | 7.8 |
| Glade Creek | 3/29 | 71 | 26.7 | 29.5 | 23.6 |
| Grannier Meadows | 3/29 | 54 | 15.8 | 12.3 | 14.9 |
| Grassy Lake | 3/29 | 101 | 38.9 | 43.1 | 36.6 |
| Greys Boundary | 3/29 | 41 | 15.8 | 16.2 | 11.8 |
| Gros Ventre Summit | 4/01 | 43 | 11.0 | 13.0 | 12.7 |
| Gros Ventre Summit Pillow | 4/01 | - | 12.0 | - | - |
| Grover Park Divide | 3/29 | 35 | 11.6 | 15.0 | 13.4 |
| Hairpin Turn | 3/27 | 66 | 23.7 | 24.8 | 17.7 |
| Haskins Creek | 3/27 | 96 | 36.0 | 46.2 | - |
| Hayden Fork | 4/06 | 54 | 17.5 | 17.2 | 15.9 |
| Hewinta Guard Station | 4/07 | 36 | 12.0 | 9.3 | 9.4 |
| Hickerson Park | 4/07 | 17 | 5.7 | 6.2 | 5.9* |
| Hobbs Park | 3/29 | 45 | 11.6 | 8.8 | 14.2 |
| Hobbs Park Pillow | 3/29 | - | 15.8 | - | - |
| Huckleberry Divide | 3/29 | 73 | 25.9 | 27.9 | 22.1 |
| Indian Meadows | 4/05 | 100 | 36.8 | 42.3 | 37.4* |
| Jackpine Creek | 4/05 | 67 | 20.6 | 24.3 | 23.0* |
| Joe Wright | 3/27 | 80 | 25.6 | 29.2 | 24.4 |
| Kelley Ranger Station | 3/30 | 59 | 18.8 | 25.4 | 18.3 |
| Kelley Ranger Sta. Pillow | 3/30 | - | 17.0 | - | - |
| Kendall Ranger Station | 4/01 | 45 | 13.6 | 19.2 | 13.1 |
| LaBonte | 3/31 | 32 | 8.4 | 7.7 | 5.5 |
| Lake Camp | 4/02 | 39 | 10.5 | 11.8 | 10.1 |
| LaPrele Pillow | - No Report | - | - | 11.3 | - |
| Larsen Creek | 3/29 | 47 | 13.5 | 17.1 | 12.5 |
| Lewis Lake Divide | 3/28 | 113 | 40.7 | 51.7 | 43.2 |
| Lewis Lake Divide Pillow | 3/28 | - | 33.3 | 47.0 | - |
| Libby Lodge | 3/27 | 48 | 16.1 | 16.3 | 11.6 |
| Little Warm | 3/29 | 49 | 12.9 | 22.8 | 16.1 |
| Little Warm Pillow | 3/29 | - | 9.3 | - | - |
| Loomis Park | 4/01 | 59 | 19.7 | 27.6 | 18.7 |
| Loomis Park Pillow | 4/01 | - | 19.4 | - | - |
| Lost Lake | 3/27 | 47 | 14.6 | 14.8 | 11.1 |
| Lupine Creek | 3/31 | 41 | 11.4 | 10.0 | 11.1 |
| Mallo Pillow | 3/30 | - | 8.4 | - | - |
| Marquette Creek | 3/29 | 29 | 6.0 | 5.0 | - |
| McIntyre | 3/29 | 55 | 15.0 | 12.6 | 10.6 |
| Medicine Lodge Lakes | 4/08 | 51 | 13.8 | 14.1 | 12.1 |
| Middle Fork | 3/29 | 31 | 7.1 | 0.0 | 7.2* |
| Middle Powder | 4/01 | 37 | 7.6 | 7.0 | 12.6 |
| Middle Powder Pillow | 3/30 | - | 8.5 | - | - |
| Miles Creek | 4/05 | 42 | 14.2 | 16.2 | 14.1e |
| Monte Cristo | 3/26 | 61 | 24.7 | 27.7 | 25.9 |
| Moran | 3/29 | 42 | 14.9 | 15.1 | 13.3 |
| Moran Bay | 4/01 | 66 | 25.7 | - | 22.5 |
| Moss Lake | 3/27 | 77 | 26.6 | 35.5 | 25.7* |
| Mount Tom Pillow | 4/01 | - | 6.1 | - | - |
| Muddy Creek Guard Station | 4/07 | 27 | 6.0 | 3.6 | 4.2 |
| New Fork Lake | 4/01 | 44 | 11.8 | 17.4 | 11.8 |
| Norris Basin | 4/01 | 41 | 11.3 | 11.9 | 11.8 |
| North Barrett Creek | 3/29 | 69 | 21.6 | 26.4 | 21.4 |
| Northeast Entrance | 4/01 | 37 | 10.1 | 11.8 | 10.4 |
| Northeast Entrance Pillow | 4/01 | - | 11.4 | 11.6 | 9.8* |
| North French Creek Pillow | 3/27 | - | 25.3 | 33.7 | 23.5e |
| Northgate | 3/29 | 33 | 8.0 | 6.9 | 6.2 |
| North Tongue | 4/08 | 49 | 14.2 | 12.2 | 14.9 |
| Old Battle | 3/27 | 119 | 43.6 | 46.8 | 34.2 |
| Old Battle Pillow | 3/27 | - | 43.3 | 31.4 | - |
| Old Faithful | 3/30 | 50 | 16.6 | 14.1 | - |
| Onion Gulch | 4/07 | 40 | 10.2 | 9.8 | 9.6 |
| Owl Creek | 3/29 | 28 | 6.1 | 1.4 | 5.5* |
| Parker's Peak Aerial | 4/06 | 93 | 31.6 | 28.1 | 32.7* |
| Park View | 3/28 | 46 | 12.7 | 10.0 | 9.1 |

BASIC DATA SUPPLEMENT 1

SNOW

| SNOW | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|--------|
| | Date of Survey | Snow Depth (In.) | Water Cont. (In.) | Water Content (Inches) | |
| | | | | Last Yr. | Ave. + |
| DRAINAGE BASIN and/or SNOW COURSE | | | | | |

| | | | | | |
|----------------------------|-----------|--------|------|------|-------|
| Phillips Bench | 3/26 | 85 | 33.0 | 40.7 | 30.6* |
| Phillips Bench Pillow | 3/26 | - | 27.6 | 42.7 | - |
| Pitchstone Plateau Aerial | 4/06 | 165 | 66.0 | 72.7 | 56.7* |
| Pocket Creek | 3/29 | 52 | 15.0 | 17.5 | 12.5 |
| Poison Meadows | 3/30 | 79 | 26.2 | 38.8 | 30.2 |
| Pole Mountain | 3/28 | 38 | 10.3 | 6.0 | 7.3 |
| Powder River Pass | 4/07 | 46 | 11.6 | 12.7 | 12.7* |
| Powder River Pass Pillow | 4/01 | - | 11.5 | - | - |
| Purgatory Gulch | - No | Report | - | 12.0 | 11.7* |
| Rabbit Ears | 3/29 | 85 | 28.8 | 37.7 | 25.1 |
| Ranger Creek | 3/27 | 38 | 10.0 | 12.0 | 10.1 |
| Reuter Canyon | 3/29 | 32 | 9.0 | 3.2 | 10.2* |
| Roach | 3/28 | 84 | 24.7 | 21.5 | 18.2 |
| Rock Creek | 3/27 | 90 | 28.4 | 36.4 | 28.3 |
| Rowdy Creek | 3/31 | 66 | 22.4 | 29.6 | 23.3 |
| Ryan Park | 3/29 | 42 | 11.4 | 15.9 | 11.9 |
| Salt River Summit | 3/29 | 53 | 18.4 | 21.6 | 16.9 |
| Sandstone Ranger Station | 3/28 | 56 | 18.4 | 23.6 | - |
| Sawmill Divide | 4/08 | 50 | 14.0 | 12.7 | - |
| Sawmill Glade | 3/29 | 30 | 9.8 | 4.5 | 9.4 |
| Shell Creek | 3/27 | 50 | 14.5 | 19.7 | 14.8 |
| Sheridan Ranger Station | 3/30 | 30 | 7.6 | 8.9 | 7.8 |
| Snake River Station | 3/28 | 65 | 23.7 | 28.5 | 21.6 |
| Snider Basin Ranger Sta. | 3/30 | 49 | 17.4 | 22.4 | 17.4 |
| Snow King Mountain | 3/30 | 56 | 18.4 | 17.7 | 15.7 |
| Soldier Park | 3/27 | 25 | 5.9 | 7.1 | 6.4 |
| Sour Dough | 4/07 | 36 | 7.6 | 6.7 | 7.1 |
| South Brush Creek Pillow | 3/29 | - | 14.7 | 17.0 | - |
| South Pass | 3/29 | 54 | 14.6 | 12.6 | 15.2 |
| South Thomas Fork | 3/30 | 49 | 16.6 | 22.2 | 17.1* |
| Spirit Lake | 4/06 | 54 | 18.0 | 10.8 | 12.1 |
| Spring Creek Divide Pillow | 3/30 | - | 20.8 | 27.8 | - |
| State Line | 4/05 | 51 | 18.4 | 15.0 | 15.3 |
| Steamboat Point | 4/08 | 33 | 9.2 | 7.7 | 9.4 |
| Steel Creek Park | 4/06 | 51 | 17.0 | 17.4 | 15.6 |
| Stillwater Camp | 4/06 | 36 | 10.7 | 11.8 | 11.3* |
| St. Lawrence R.S. | 3/29 | 32 | 7.2 | 3.8 | 7.5 |
| St. Lawrence R.S. Pillow | 3/29 | - | 8.4 | 7.5 | - |
| Sucker Creek | 4/08 | 40 | 11.1 | 11.5 | 14.6 |
| Sweetwater Mountain Pillow | 3/30 | - | 7.6 | - | - |
| Sylvan Pass | 4/01 | 38 | 11.6 | 15.2 | 14.5 |
| T-Cross Ranch | 3/30 | 27 | 8.2 | 10.3 | 6.3 |
| Teton Pass W.S. | 3/26 | 78 | 30.4 | 33.2 | 27.7* |
| Thumb Divide | 3/28 | 71 | 20.3 | 20.8 | 22.1 |
| Timber Creek | 3/31 | 23 | 5.8 | 0.0 | 3.1 |
| Togwotee Pass | 3/30 | 78 | 29.0 | 36.0 | 30.9 |
| Togwotee Pass Pillow | 3/30 | - | 24.1 | 30.6 | - |
| Townsend Creek | 3/29 | 32 | 7.0 | 3.4 | - |
| Trial Lake | - Delayed | Report | - | 27.4 | 23.5 |
| Triple Peaks | 3/31 | 69 | 24.8 | 40.2 | 26.9 |
| Turpin Meadows | 3/30 | 36 | 11.7 | 13.7 | 10.6 |
| Twenty-One Mile | 3/31 | 54 | 18.6 | 20.5 | 19.6 |
| Two Ocean Plateau Aerial | 4/06 | 85 | 27.2 | 36.1 | 32.3* |
| Tyrell Ranger Station | 4/07 | 36 | 8.7 | 9.6 | 9.1 |
| Upper Spearfish | 3/29 | 25 | 6.6 | 3.2 | 8.3 |
| Warren Peak | 3/29 | 30 | 6.8 | 2.9 | 11.1* |
| Webber Spring | 3/27 | 79 | 29.6 | 30.6 | 21.5 |
| Webber Spring Pillow | 3/27 | - | 37.7 | 37.4 | - |
| West Yellowstone | 3/31 | 42 | 14.3 | 14.4 | 12.8 |
| Whiskey Creek | - No | Report | - | 39.8 | - |
| White Mill | 3/30 | 91 | 28.5 | 34.2 | 29.7* |
| White Mill Pillow | 3/30 | - | 25.8 | 32.5 | 27.3* |
| Willow Creek Pass | 3/28 | 58 | 17.9 | 14.8 | 12.2 |
| Wolverine | 3/29 | 47 | 16.6 | 16.8 | 13.6* |
| Wood Rock Guard Station | 4/08 | 38 | 10.2 | 10.2 | 11.6 |
| Young's Ranch Aerial | 4/02 | 57 | 19.0 | 28.1 | 19.0* |
| Younts Peak Aerial | 4/06 | 54 | 18.4 | 25.2 | 23.6* |

SNOW

| SNOW | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|----------------|------------------|-------------------|------------------------|--------|
| | Date of Survey | Snow Depth (In.) | Water Cont. (In.) | Water Content (Inches) | |
| | | | | Last Yr. | Ave. + |
| DRAINAGE BASIN and/or SNOW COURSE | | | | | |

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

* Less than 15 years
e Estimated average

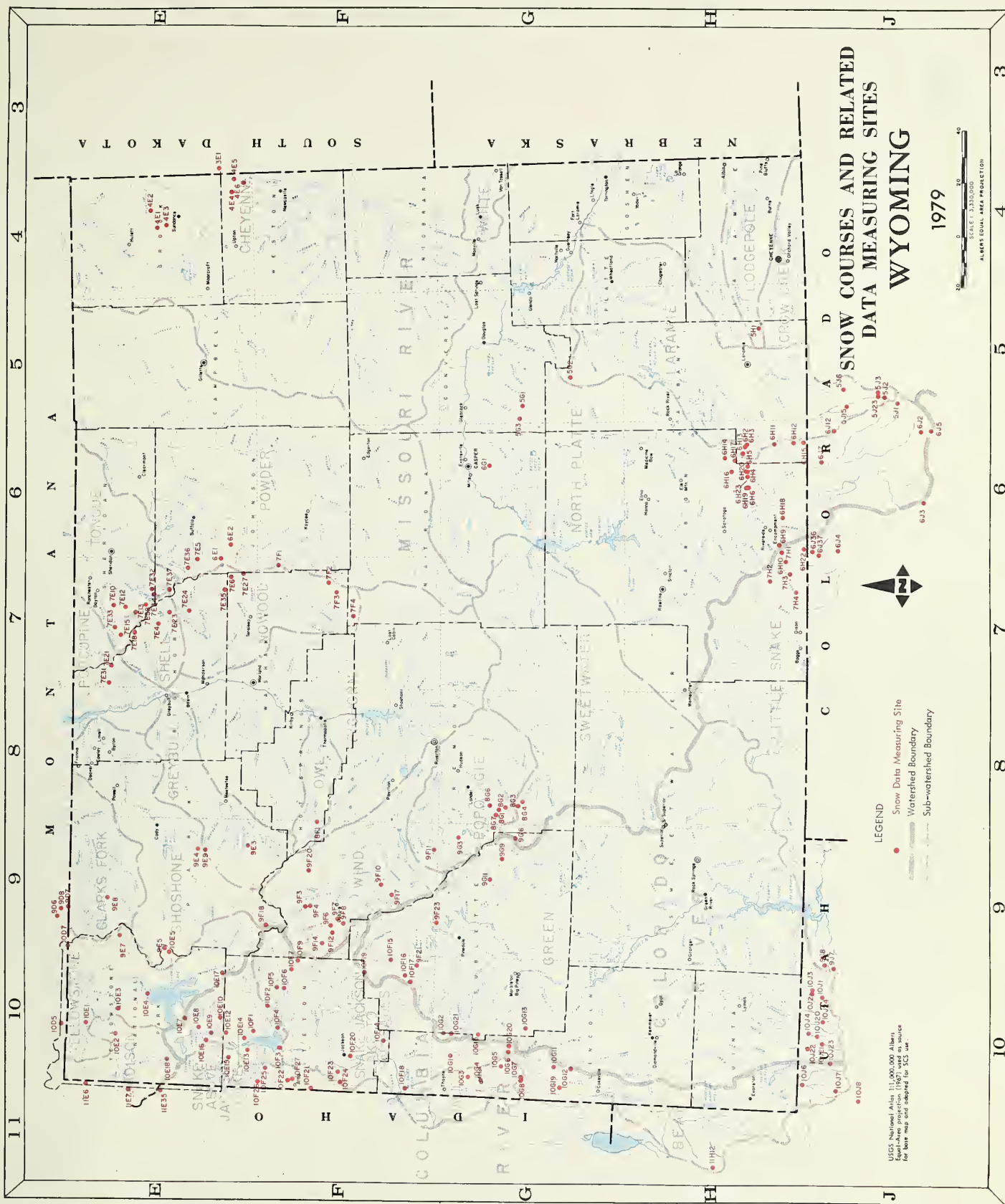
* Less than 15 years
e Estimated average

BASIC DATA SUPPLEMENT 2

PRECIPITATION (Inches)

| DRAINAGE BASIN and PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION | | PAST RECORD | |
|--|-----------|---------------------|---------------|-------------|----------------------|
| | | Date of Reading | Precipitation | Last Year | Average [†] |
| Arrastre Lake | 10280 | 4/02 | 4.40 | - | - |
| Bald Mountain | 9380 | 4/02 | 2.90 | - | - |
| Battle Mountain | 7440 | - No Report - | - | - | - |
| Bearlodge Divide (Alva) (NWS) | 4390 | - No Report - | - | 0.51 | 3.72 |
| Big Sandy Opening | 9080 | 3/29 | 1.50 | 1.37 | 2.41 |
| Blind Bull Summit | 8650 | - No Report - | - | - | - |
| Bone Springs Divide | 9350 | 4/02 | 2.30 | - | - |
| Brooklyn Lake | 10220 | 3/27 | 3.38 | 5.43 | 2.42 |
| Burgess R.S. | 7880 | - No Report - | - | - | - |
| Burroughs Creek | 8750 | 3/30 | 1.75 | 1.25 | - |
| Canyon | 7940 | 3/31 | 1.25 | 1.50 | - |
| Carter Mountain | 7950 | 3/29 | 1.90 | 1.75 | 2.29* |
| Casper Mountain | 7850 | 4/02 | 1.38 | 2.69 | 4.16* |
| Dinwoody | 10160 | 3/29 | 2.00 | - | - |
| Dome Lake | 8870 | 4/02 | 2.40 | - | - |
| East Rim Divide | 7930 | - No Report - | - | 0.85 | 2.08 |
| Elkhart Park G.S. | 9400 | 3/29 | 2.00 | - | 2.43* |
| Grassy Lake | 7265 | 3/29 | 3.60 | 3.55 | 4.29 |
| Gros Ventre Summit | 8750 | 4/01 | 2.25 | - | - |
| Grover Park Divide | 7000 | 3/29 | 1.40 | 3.00 | 2.50* |
| Haskins Creek | 8975 | - No Report - | - | - | - |
| Hobbs Park | 10100 | 3/29 | 2.75 | 0.87 | - |
| Kelley Ranger Station | 8180 | - No Report - | - | 2.45 | 2.31* |
| Lewis Lake Divide | 7850 | 3/28 | 4.55 | 3.65 | 3.38* |
| Little Warm | 9620 | 3/29 | 1.00 | - | - |
| Loomis Park | 8240 | 4/01 | 2.00 | - | - |
| Louis Lake | 8500 | 3/29 | 2.02 | 1.25 | 2.34* |
| Middle Powder | 7760 | 4/01 | 2.00 | - | - |
| Moran (NWS) | 6500 | 3/31 | 0.84 | 0.67 | 1.81 |
| North French Creek | 10125 | 4/02 | 4.30 | 6.62 | 3.52* |
| Old Battle | 9920 | - No Report - | - | 2.25 | 3.43* |
| Onion Gulch | 8780 | - No Report - | - | - | 2.97* |
| Owl Creek | 8975 | 3/29 | 2.25 | - | - |
| Phillips Bench | 8200 | 4/02 | 3.70 | 4.75 | - |
| Pole Mountain | 8360 | 3/28 | 3.20 | 2.25 | 1.83* |
| Powder River Pass | 9480 | 4/02 | 2.00 | - | 2.93 |
| Rock Creek | 9980 | - No Report - | - | 6.72 | 1.90* |
| Salt River Summit | 7700 | 3/29 | 1.57 | 2.00 | 1.52 |
| Sandstone R.S. | 8150 | - No Report - | - | - | - |
| Shell Creek | 9580 | - No Report - | - | - | - |
| Snake River Station (NWS) | 6920 | 3/31 | 1.35 | 1.89 | 2.32 |
| Snider Basin | 8060 | - No Report - | - | 1.24 | 1.91 |
| South Brush Creek | 8440 | 3/29 | 2.50 | - | - |
| Spring Creek Divide | 9000 | 3/30 | 1.75 | - | - |
| St. Lawrence R.S. | 8960 | - No Report - | - | 0.75 | - |
| Sucker Creek | 8880 | 4/02 | 2.20 | - | - |
| Sweetwater Mountain | 5860 | 3/30 | 0.50 | - | - |
| Sylvan Lake | 7100 | - No Report - | - | - | - |
| Timber Creek | 7950 | - No Report - | - | 0.60 | 3.30* |
| Togwotee Pass | 9580 | 3/30 | 3.10 | 2.05 | 3.52 |
| Townsend Creek | 8700 | 3/29 | 2.25 | - | - |
| Warren Peak | 6520 | - No Report - | - | 0.75 | 2.34* |
| Webber Spring | 9250 | 3/27 | 4.75 | 6.88 | - |
| Wolverine | 7650 | 3/29 | 1.50 | - | - |

(NWS) National Weather Service gage
 * Less than 15 years in average



INDEX TO WYOMING SNOW COURSES AND DATA SITES

| Drainage Basin and Course Name | Hydrographic Number | Elev. | Location Sec. Twp. Range Lat. Long. |
|--|------------------------|------------------|---|
| Missouri River Drainage | | | |
| Black Bear m | 11135 | 7950 | 27 13S 5E |
| Norris Basin | 1022 | 7500 | 44°04'N 110°42'W |
| North Fork | 11167 | 7400 | 44°22'N 110°49'W |
| West Yellowstone m | 11167 | 6700 | 34 11S 5E |
| Yellowstone | | | |
| Yellowstone | 10055 | 44°04'N 110°40'W | |
| Gravette Mountain m | 9055 | 8400 | 22 9S 9E |
| East Entrance | 965 | 6960 | 4°09'N 110°50'W |
| Lake Camp | 1064P | 7780 | 4°03'N 110°54'W |
| Lupine Creek | 1021 | 7380 | 34°55'N 110°57'W |
| East Entrance m | 987A | 9400 | 4°04'N 109°55'W |
| Parker's Peak | 987A | 9400 | 4°04'N 109°55'W |
| Pitchstone Plateau | 10616A | 8520 | 44°14'N 110°44'W |
| Thumh Divide | 1067 | 7980 | 44°02'N 110°54'W |
| Two Ocean Plateau | 10617A | 9160 | 44°09'N 110°52'W |
| Sylvan Pass | 10055 | 7100 | 44°29'N 110°42'W |
| Clark's Fork | | | |
| Cooke Station m | 907 | 8130 | 19 9S 12E |
| Fisher Creek | 907A | 8400 | 44°04'N 109°55'W |
| White Hall m | 908 | 8700 | 18 9S 13E |
| Mohavie | 958 | 7650 | 44°04'N 109°59'W |
| Wind River | | | |
| Big Horn | 9812 | 8370 | 29 42N 108W |
| Burroughs Creek | 984* | 8750 | 43°41'N 109°40'W |
| Cattle Creek | 9820 | 8400 | 19 43N 104W |
| Olney | 9810* | 10160 | 33 38N 103W |
| Gosper Creek | 987 | 8500 | 6 41N 107W |
| Little Horn | 988* | 9620 | 24 41N 108W |
| Sherridan R.S. | 9814 | 7720 | 3 42N 109W |
| T-Cross Ranch | 983 | 7900 | 1 43N 107W |
| Tonsend Creek | 1039* | 9300 | 28 44N 110W |
| Peco Agie River | | | |
| Blue Ridge | 862 | 9620 | 23 31N 101W |
| Hobbs Park | 963* | 10100 | 22 32S 101W |
| South Pass | 861 | 8740 | 3 31N 101W |
| Sam Hill Glade | 861 | 8740 | 3 31N 101W |
| South Pass | 863 | 9040 | 13 30N 101W |
| Sherridan R.S. | 863 | 9040 | 13 30N 101W |
| St. Lawrence R.S. | 9811* | 8940 | 26 31N 44 |
| Tonsend Creek | 867* | 9700 | 42°41'N 108°53'W |
| Owl Creek | | | |
| Owl Creek | 881* | 8975 | 29 43N 101W |
| Greybull River | 953P | 7950 | 23 47N 103W |
| Shoshone River | | | |
| Carter Mountain | 954P | 7950 | 10 50N 103W |
| East Entrance | 955 | 8960 | 16°29'N 110°07'W |
| Shoshone Creek | 1005* | 7100 | 46°29'N 110°02'W |
| Sylvan Pass | 1005* | 7100 | 46°29'N 110°02'W |
| Yount's Peak | 9718A | 8330 | 43°56'N 109°09'W |
| Nowood Creek | | | |
| Beart Trap | 781A | 7900 | 3 43N 85W |
| Loat Creek | 7853* | 7950 | 43°31'N 107°15'W |
| Medicine Lodge Lakes | 7824 | 9340 | 13 51N 88W |
| Middle Powder | 7824 | 7760 | 42°21'N 86W |
| Devils Gulch | 7823P | 8790 | 31 48N 85W |
| Beaver River Pass | 786* | 9480 | 6 48N 85W |
| Tyrell R.S. | 7835 | 8330 | 30 49N 86W |
| Shell Creek | | | |
| Bald Mountain | 7821* | 9380 | 29 56N 91W |
| Bone Spring Divide | 7818* | 9350 | 44°04'N 107°34'W |
| Ranger Creek | 784 | 8120 | 30 53N 88W |
| Shell Creek | 7823* | 9580 | 44°30'N 107°26'W |
| Pocahontas Creek | | | |
| Five Springs Falls | 7831 | 7650 | 20 56N 92W |
| Tongue River | | | |
| Big Goose | 7833 | 7760 | 4 53N 86W |
| Bone Spring Divide | 7818* | 9150 | 44°40'N 107°34'W |
| Burgess R.S. | 7823* | 7880 | 36 56N 89W |
| Done Lake | 7834* | 8870 | 44°05'N 107°18'W |
| Geneva Pass | 787A | 9400 | 44°29'N 107°17'W |
| Norton Tongue | 7815 | 8650 | 8 55N 89W |
| Sam Hill Tongue | 7838 | 9260 | 44°38'N 107°23'W |
| Green River below Green River | | | |
| Big Park | 1001 | 8650 | 7 27N 117W |
| 814's Fork-Junc- u | 10123A | 8950 | 33 3N 12E |
| Buck Pasture u | 10123A | 9700 | 14 3N 12E |
| East Fork 814's Fork G.S. u | 10123A | 9300 | 25 3N 12E |
| Elk River c | 64P | 8700 | 6 10N 85W |
| Harvey's Fork u | 10123A | 10000 | 29 3N 14E |
| Hewitts R.S. u | 1034 | 9500 | 33 3N 13E |
| Hickerson Park u | 938 | 9100 | 24 2N 17E |
| Hole-in-the-rock u | 1011 | 9150 | 13 2N 15E |
| Hole-in-the-rock G.S. u | 10123A | 9150 | 13 2N 15E |
| Kelly R.S. u | 10123A | 8180 | 1 26N 118W |
| Little Beaver Creek u | 10123A | 8550 | 31 3N 16E |
| Old Battle | 6810* | 9920 | 29 14N 85W |
| Steel Creek Park u | 10120A | 9900 | 17 2N 13E |
| Thumh Divide u | 10120A | 9900 | 17 2N 13E |
| Thumh Divide u | 10120A | 9900 | 17 2N 13E |
| Thumh Divide u | 10120A | 9900 | 17 2N 13E |
| Little Snake River | | | |
| Battle Mountain | 786P | 7440 | 35 13N 88W |
| Butter Hill c | 6337 | 7880 | 12 11N 88W |
| Deep Creek | 782 | 7880 | 12 11N 88W |
| Elkhorn c | 6336 | 8675 | 21 12N 85W |
| Elk River c | 783P | 8975 | 26 14N 86W |
| Smalstone R.S. | 783P | 8150 | 10 13N 87W |
| Whiskey Creek | 6422 | 8950 | 13 12N 85W |
| COLUMBIA RIVER DRAINAGE | | | |
| Snake River Basin (above Jackson Lake) | | | |
| Arizona | 10P1 | 6820 | 43°59'N 110°39'W |
| Blackfoot Creek | 10P2 | 7030 | 43°56'N 110°37'W |
| Basin Cap | 10P2* | 7030 | 43°56'N 110°37'W |
| Coulter Creek | 10E10* | 7020 | 44°10'N 110°33'W |
| Glade Creek | 10E13 | 7040 | 26 47N 116W |
| Grassy Lake Divide | 10E13P* | 7265 | 18 48N 116W |
| Grassy Lake Divide | 10E13P* | 7265 | 18 48N 116W |
| Lewis Lake Divide | 10E9* | 7850 | 44°12'N 110°40'W |
| Moran | 10P4P | 6750 | 19 45N 114W |
| Moran Bay | 10P3 | 6810 | 43°52'N 110°44'W |
| Patchfork Plateau | 10E14P | 7100 | 44°08'N 110°44'W |
| Snake River Station | 10E15P | 6920 | 44°08'N 110°44'W |
| Thumb Divide | 10E7 | 7980 | 44°22'N 110°34'W |
| Two Ocean Plateau | 10E17A | 9160 | 44°09'N 110°32'W |
| Jackson Lake to Polioades | | | |
| Afton R.S. | 102A | 6240 | 42°44'N 110°56'W |
| Blackrock | 10P7 | 8900 | 42°44'N 110°08'W |
| Blind Bull Summit | 102P* | 8650 | 42°57'N 110°36'W |
| Bryan Flat | 10P14 | 6420 | 9 38N 115W |
| Cortwood Lake | 1025* | 7600 | 42°31'N 110°49'W |
| East Rim Divide | 10E17P | 7930 | 32 37N 111W |
| Elbo Ranch | 10E28 | 7100 | 25 43N 115W |
| Four Mile Meadows | 10P6 | 7860 | 35 45N 112W |
| Grass Valley | 10P18* | 8750 | 36 40N 111W |
| Grover Park Divide | 10P3P | 7000 | 42°48'N 110°54'W |
| Loomis Park | 10E23P | 8200 | 43°31'N 110°55'W |
| Poison Meadows | 1066 | 8500 | 42°33'N 110°41'W |
| Poison Meadows | 1068* | 7700 | 42°31'N 110°34'W |
| Salt River Summit | 10P20 | 7660 | 4 40N 116W |
| Tegetote Pass | 10P5 | 4900 | 16 48N 112W |
| Young's Ranch | 10G1A | 6650 | 42°55'N 110°43'W |
| Teton River | | | |
| Quarry Canyon | 10P1A | 8250 | 28 43N 118W |
| Indian Meadows | 10P25 | 8000 | 12 44N 118W |
| Indian Meadows | 10P25 | 8240 | 13 46N 117W |
| Jacquire Creek | 10P26 | 7350 | 15 46N 118W |
| Miles Creek | 10P27 | 7300 | 13 46N 118W |
| Teton U.S. | 10P24 | 7740 | 43°30'N 110°59'W |
| Beaver River | | | |
| Big Park | 10G11 | 8620 | 7 27N 117W |
| CCC Camp | 10G17 | 7000 | 15 3N 108W |
| Curlew Lake Branch u | 10G17 | 8100 | 25 1N 9E |
| Moran Fork u | 10G17 | 8480 | 1 26N 118W |
| Kelley R.S. | 10G12* | 8180 | 4 8N 110W |
| Monte Cristo P.S. u | 11M12 | 8960 | 4 8N 110W |
| Poison Meadows | 10G8* | 7700 | 42°31'N 110°54'W |
| South Thomas Fork | 10G19 | 7840 | 27 27N 119W |
| Trial Lake u | 10J8P | 9800 | 5 2S 9E |
| Colorado River Drainage | | | |
| Green River above Green River | | | |
| 818 Sandy Opening | 969* | 9080 | 21 31N 104W |
| Blind Bull Summit | 102P* | 8650 | 42°57'N 110°36'W |
| East Rim Divide | 10P17P | 7930 | 37N 109°45'W |
| Grass Valley G.S. | 10P18* | 8750 | 35 40N 111W |
| Kendall R.S. | 10P15 | 7740 | 23 38N 110W |
| Loomis Park | 10P16* | 8240 | 14 37N 111W |
| New Fork Lake | 9P21 | 8340 | 11 36N 110W |
| Pocket Creek | 9611 | 9350 | 42°02'N 109°25'W |
| Poison Meadows | 1066 | 8500 | 42°33'N 110°41'W |
| Roady Creek | 10G21 | 8300 | 42°56'N 110°32'W |
| Snider Basin R.S. | 10G13* | 8060 | 15 29N 113W |
| Spring Creek | 10G20* | 9000 | 42°32'N 110°40'W |
| Triple Peaks | 10G15 | 8500 | 42°46'N 110°35'W |
| COLORADO RIVER DRAINAGE | | | |
| Green River above Green River | | | |
| 818 Sandy Opening | 969* | 9080 | 21 31N 104W |
| Blind Bull Summit | 102P* | 8650 | 42°57'N 110°36'W |
| East Rim Divide | 10P17P | 7930 | 37N 109°45'W |
| Grass Valley G.S. | 10P18* | 8750 | 35 40N 111W |
| Kendall R.S. | 10P15 | 7740 | 23 38N 110W |
| Loomis Park | 10P16* | 8240 | 14 37N 111W |
| New Fork Lake | 9P21 | 8340 | 11 36N 110W |
| Pocket Creek | 9611 | 9350 | 42°02'N 109°25'W |
| Poison Meadows | 1066 | 8500 | 42°33'N 110°41'W |
| Roady Creek | 10G21 | 8300 | 42°56'N 110°32'W |
| Snider Basin R.S. | 10G13* | 8060 | 15 29N 113W |
| Spring Creek | 10G20* | 9000 | 42°32'N 110°40'W |
| Triple Peaks | 10G15 | 8500 | 42°46'N 110°35'W |

Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Indian Service

STATE

State Engineer of Wyoming

University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

PRIVATE

Irrigation Districts
Greybull Valley Irrigation District
Wheatland Irrigation District

Conservation Districts
Big Piney
Big Sandy
Bridger Valley
Clearwater
Cody
Dubois-Crowheart
Greybull-Shell
Lake DeSmet
LaPrele-Glenrock
Laramie Rivers
Lincoln
Little Snake River
Medicine Bow
Pinedale
Platte County
Powder River
Powell-Clarks Fork
Riverton
Saratoga-Encampment-Rawlins
Shoshone
Teton
Washakie

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 2440
CASPER, WYOMING 82602

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

MAY 18 1973

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*